

Docket No.
POU920020098US1

Declaration and Power of Attorney For Patent Application

English Language Declaration

As a below named inventor, I hereby declare that:

My residence, post office address and citizenship are as stated below next to my name,

I believe I am the original, first and sole inventor (if only one name is listed below) or an original, first and joint inventor (if plural names are listed below) of the subject matter which is claimed and for which a patent is sought on the invention entitled

Method and Apparatus for Combined Air and Liquid Cooling of Stacked Electronics Components

the specification of which

(check one)

☒ is attached hereto.

☐ was filed on _____ as United States Application No. or PCT International
Application Number _____
and was amended on _____
(if applicable)

I hereby state that I have reviewed and understand the contents of the above identified specification, including the claims, as amended by any amendment referred to above.

I acknowledge the duty to disclose to the United States Patent and Trademark Office all information known to me to be material to patentability as defined in Title 37, Code of Federal Regulations, Section 1.56.

I hereby claim foreign priority benefits under Title 35, United States Code, Section 119(a)-(d) or Section 365(b) of any foreign application(s) for patent or inventor's certificate, or Section 365(a) of any PCT International application which designated at least one country other than the United States, listed below and have also identified below, by checking the box, any foreign application for patent or inventor's certificate or PCT International application having a filing date before that of the application on which priority is claimed.

Prior Foreign Application(s)

Priority Not Claimed

_____ (Number)	_____ (Country)	_____ (Day/Month/Year Filed)	<input type="checkbox"/>
_____ (Number)	_____ (Country)	_____ (Day/Month/Year Filed)	<input type="checkbox"/>
_____ (Number)	_____ (Country)	_____ (Day/Month/Year Filed)	<input type="checkbox"/>

I hereby claim the benefit under 35 U.S.C. Section 119(e) of any United States provisional

(Application Serial No.)

(Filing Date)

(Application Serial No.)

(Filing Date)

(Application Serial No.)

(Filing Date)

I hereby claim the benefit under 35 U. S. C. Section 120 of any United States application(s), or Section 365(c) of any PCT International application designating the United States, listed below and, insofar as the subject matter of each of the claims of this application is not disclosed in the prior United States or PCT International application in the manner provided by the first paragraph of 35 U.S.C. Section 112, I acknowledge the duty to disclose to the United States Patent and Trademark Office all information known to me to be material to patentability as defined in Title 37, C. F. R., Section 1.56 which became available between the filing date of the prior application and the national or PCT International filing date of this application:

(Application Serial No.)

(Filing Date)

(Status)
(patented, pending, abandoned)

(Application Serial No.)

(Filing Date)

(Status)
(patented, pending, abandoned)

(Application Serial No.)

(Filing Date)

(Status)
(patented, pending, abandoned)

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.


POWER OF ATTORNEY: As a named inventor, I hereby appoint the following attorney(s) and/or agent(s) to prosecute this application and transact all business in the Patent and Trademark Office connected therewith. *(list name and registration number)*

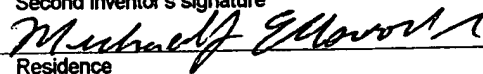
Lynn L. Augspurger, Reg. No. 24,227
 Floyd A. Gonzalez, Reg. No. 26,732
 Christopher A. Hughes, Reg. No. 26,914
 John E. Hoel, Reg. No. 26,279
 Stanley B. Green, Reg. No. 24,351

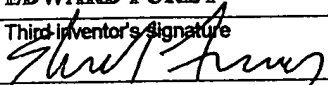
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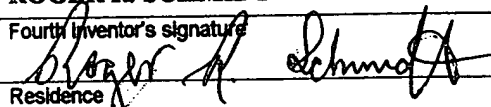
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2455 South Rd., M/S P386
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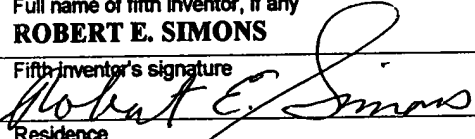
Direct Telephone Calls to: *(name and telephone number)*
William B. Porter, Attorney (845) 433-1161

Full name of sole or first inventor RICHARD C. CHU	
Sole or first inventor's signature 	Date 11/25/02
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Post Office Address Same as above	

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Second inventor's signature 	Date 11/25/02
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Third inventor's signature 	Date 11/25/2002
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Post Office Address Same as above	

Full name of fourth inventor, if any ROGER R. SCHMIDT	
Fourth inventor's signature 	Date 11/25/2002
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Citizenship USA	
Post Office Address	

Full name of fifth inventor, if any ROBERT E. SIMONS	
Fifth inventor's signature 	Date 11/25/2002
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Citizenship USA	
Post Office Address Same as above	

Full name of sixth inventor, if any	
Sixth inventor's signature	Date
Residence	
Citizenship	
Post Office Address	



UNITED STATES
PATENT AND
TRADEMARK OFFICE

APRIL 07, 2003

PTAS

IBM CORPORATION, IP LAW DEPT.
WILLIAM B. PORTER, ATTORNEY
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POUGHKEEPSIE, NY 12601

Chief Information Officer
Washington, DC 20231
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UNITED STATES PATENT AND TRADEMARK OFFICE
NOTICE OF RECORDATION OF ASSIGNMENT DOCUMENT

APR 15 2003

THE ENCLOSED DOCUMENT HAS BEEN RECORDED BY THE ASSIGNMENT DIVISION OF THE U.S. PATENT AND TRADEMARK OFFICE. A COMPLETE MICROFILM COPY IS AVAILABLE AT THE ASSIGNMENT SEARCH ROOM ON THE REEL AND FRAME NUMBER REFERENCED BELOW.

PLEASE REVIEW ALL INFORMATION CONTAINED ON THIS NOTICE. THE INFORMATION CONTAINED ON THIS RECORDATION NOTICE REFLECTS THE DATA PRESENT IN THE PATENT AND TRADEMARK ASSIGNMENT SYSTEM. IF YOU SHOULD FIND ANY ERRORS OR HAVE QUESTIONS CONCERNING THIS NOTICE, YOU MAY CONTACT THE EMPLOYEE WHOSE NAME APPEARS ON THIS NOTICE AT 703-308-9723. PLEASE SEND REQUEST FOR CORRECTION TO: U.S. PATENT AND TRADEMARK OFFICE, ASSIGNMENT DIVISION, BOX ASSIGNMENTS, CG-4, 1213 JEFFERSON DAVIS HWY, SUITE 320, WASHINGTON, D.C. 20231.

RECORDATION DATE: 11/25/2002

REEL/FRAME: 013544/0913

NUMBER OF PAGES: 3

BRIEF: ASSIGNMENT OF ASSIGNOR'S INTEREST (SEE DOCUMENT FOR DETAILS).

ASSIGNOR:

CHU, RICHARD C.

DOC DATE: 11/25/2002

ASSIGNOR:

ELLSWORTH, MICHAEL J. JR.

DOC DATE: 11/25/2002

ASSIGNOR:

FUREY, EDWARD

DOC DATE: 11/25/2002

ASSIGNOR:

SCHMIDT, ROGER R.

DOC DATE: 11/25/2002

ASSIGNOR:

SIMONS, ROBERT E.

DOC DATE: 11/25/2002

ASSIGNEE:

INTERNATIONAL BUSINESS MACHINES
CORPORATION
NEW ORCHARD ROAD
ARMONK, NEW YORK 10504

013544/0913 PAGE 2

SERIAL NUMBER: 10303284
PATENT NUMBER:

FILING DATE: 11/25/2002
ISSUE DATE:

SHARON LATIMER, EXAMINER
ASSIGNMENT DIVISION
OFFICE OF PUBLIC RECORDS

12-09-2002



FICE

U.S. Department of Commerce

Form PTO-1595

102304660

RECORDATION FORM COVER SHEET - PATENTS ONLY

To the Honorable Commissioner of Patents and Trademarks. Please record the attached original documents or copy thereof.

1. Name of conveying party(ies):

a) Richard C. Chu g) _____
 b) Michael J. Ellsworth Jr. h) _____
 c) Edward Furey i) _____
 d) Roger R. Schmidt j) _____
 e) Robert E. Simons k) _____
 f) _____ l) _____

More names attached? Y X N

2. Name and address of receiving party(ies):

Name: **INTERNATIONAL BUSINESS MACHINES CORPORATION**Address: New Orchard Road
Armonk, NY 10504More names attached? Y X N3. Nature of Conveyance: X Assignment

10/303284

4. Application number: Filed:
Filed with new application: X yes no

Execution date(s):

a) November 25, 2002 g) _____
 b) November 25, 2002 h) _____
 c) November 25, 2002 i) _____
 d) November 25, 2002 j) _____
 e) November 25, 2002 k) _____
 f) _____ l) _____

Additional numbers attached? Y X N

5. Name and address of party to whom correspondence concerning document should be mailed:

Name: William B. Porter, Attorney
IBM Corporation, IP Law Dept.
2455 South Rd., M/S P386
Poughkeepsie, NY 12601
Reg. No. 33,135
(845) 433-1161

6. Total # of applications and patents involved: 017. Total fee (37 CFR 3.41):
\$ 40.008. Charge to Deposit Account
09-0463 (IBM).

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9. Statement and Signature: To the best of my knowledge and belief, the foregoing information is true and correct and any attached copy is a true copy of the original document.

Susan L. Phelps

Signature

Date

11-25-2002

Total number of pages including cover sheet, attachments, and document: 3Express Mail Label No. (if applicable): EU280140720US Docket No.: POU920020098US1

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11-25-02

1046 U.S. PTO
10/303284

11/25/02

A S S I G N M E N T

Whereas, We

Inventor (1) RICHARD C. CHU	of Hopewell Junction,
County of Dutchess	and State of New York,
Inventor (2) MICHAEL J. ELLSWORTH, JR.	of Lagrangeville,
County of Dutchess	and State of New York,
Inventor (3) EDWARD FUREY	of Kingston,
County of Ulster	and State of New York,
Inventor (4) ROGER R. SCHMIDT	of Poughkeepsie,
County of Dutchess	and State of New York,
and	
Inventor (5) ROBERT E. SIMONS	of Poughkeepsie,
County of Dutchess	and State of New York.

have invented certain improvements in Method and Apparatus for Combined Air and Liquid Cooling of Stacked Electronics Components

and executed, respectively, a United States patent application therefor on

(1) 11/25/2002	,	(2) 11/25/02	,
(3) 11/25/2002	,	(4) 11/25/2002	,
(5) 11/25/2002	.		

Whereas, INTERNATIONAL BUSINESS MACHINES CORPORATION, a corporation of New York, having a place of business at Armonk, New York 10504, (hereinafter called IBM,) desires to acquire the entire right, title and interest in the said application and invention, and to any United States and foreign patents to be obtained therefor;

Now therefore, for a valuable consideration, receipt whereof is hereby acknowledged, and, the above named, hereby sell, assign, and transfer to IBM, its successors and assigns, the entire right, title and interest in the said application and invention therein disclosed for the United States and foreign countries, and all rights of priority resulting from the filing of said United States application, and we request the Commissioner of Patents and Trademarks to issue any Letters Patent granted upon the inventions set forth in said application to IBM, its successors and assigns; and we hereby agree that IBM may apply for foreign Letters Patent on said invention and we will execute all papers necessary in connection with the United States and foreign applications when called upon to do so by IBM.

Signed

(1) at Poughkeepsie, NY

on 11/25/2002

(2) at Poughkeepsie, NY

on 11/25/02

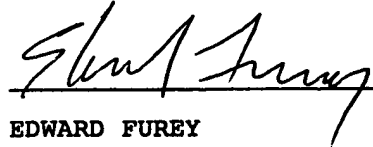


RICHARD C. CHU

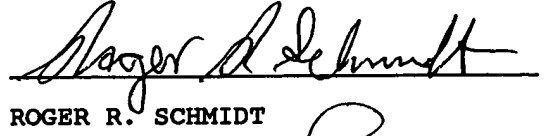


MICHAEL J. ELLSWORTH, JR.

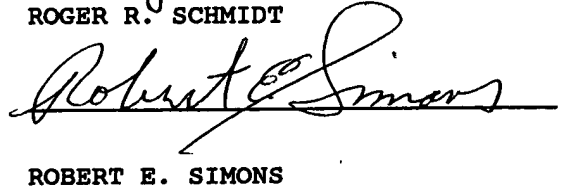
(3) at Poughkeepsie, NY
on 11/25/2002


EDWARD FUREY

(4) at Poughkeepsie, NY
on 11/25/2002


ROGER R. SCHMIDT

(5) at Poughkeepsie, NY
on 11/25/2002


ROBERT E. SIMONS